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JVC EMERALD EM32FL USER MANUAL

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JVC

User Manual

Emerald FT/FL Series LED HDTV

EM32FL 32” Class
EM39FT 39” Class
EM55FT 55” Class

Before operating your LED TV, please read this manual thoroughly.

(*Images shown in this user manual are for illustration purpose only.)

Rev. 03/14

WE ARE HERE TO HELP!

FOR HELP WITH TELEVISION SUPPORT:

1-855-868-1928

WE CAN HELP YOU WITH:

DAMAGED PACKAGE • MISSING PARTS • TECHNICAL SUPPORT

JVC

Contents

Congratulations on purchasing your new JVC TV. To get the most out of your JVC LED TV, read these instructions before making any adjustments, and retain them for future reference.

For assistance, call the JVC Customer Support and Service Center 1-855-868-1928 or visit our website http://jvc-tv.com/support

We recommend that you register your JVC LED TV either at our website http://jvc-tv.com/support or fill out and mail the Product Registration Card on the back of the manual.

Retain your purchase receipt and write down the model and serial number located at the back of your LED TV for easy reference when obtaining service support.

Serial Number: _____

Model Number: _____

MHL, Mobile High-Definition Link and the MHL Logo are trademarks or registered trademarks of the MHL, LLC.

This product qualifies for ENERGY STAR in the "factory default" setting and this is the setting in which power savings will be achieved. Changing the factory default picture setting or enabling other features will increase power consumption that could exceed the limits necessary to qualify for Energy Star rating.

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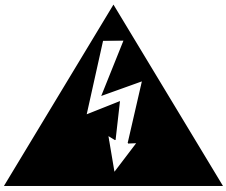


CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: To Reduce The Risk Of Electric Shock, Do Not Remove Cover (Or Back). No User-Serviceable Parts Inside. Refer Servicing To Qualified Service Personnel.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. TO PREVENT THE SPREAD OF FIRE, KEEP CANDLES OR OPEN FLAMES AWAY FROM THIS PRODUCT AT TIMES.

CAUTION: TO PREVENT ELECTRIC SHOCK. DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

WARNING : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures: - Reorient or relocate the receiving antenna. - Increase the separation between the equipment and receiver. - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. - Consult the dealer or an experienced radio/TV technician for help. FCC Caution: To assure continued compliance, (example – use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Responsible Party: AmTRAN Video Corporation
Address: 9 Goddard, Irvine, CA 92618 USA
Telephone No: 1-855-868-1926

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Location of the required Marking

The rating sheet and the safety caution are on the rear of the unit.

Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15) Apparatus should not be exposed to dripping or splashing, and objects filled with liquids, such as vases, should not be placed on the apparatus.
16) An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.
17) Do not overload wall outlets and extension cords, as this can result in a risk of fire or electric shock.
18) Do not push objects through any openings in this unit, as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid into the unit.
19) If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges, Section 810 of the National Electrical Code, ANSI/NFPA 70, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
20) When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
21) Upon completion of any service or repairs to this unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.

Important Safety Instructions

22) When you connect the product to other equipment, turn off the power and unplug all of the equipment from the wall outlet. Failure to do so may cause an electric shock and serious personal injury. Read the owner's manual of the other equipment carefully and follow the instructions when making any connections.

23) Sudden high volume sound may cause hearing or speaker damage. When you use headphones, (if the unit is equipped with a headphone jack) keep the volume at a moderate level. If you use headphones continuously with high volume sound, it may cause hearing damage.

24) Do not allow the product to output distorted sound for an extended period of time. It may cause speaker overheating and fire.

25) This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

26) The socket-outlet must be installed near the unit and easily accessible.

CHILD SAFETY:
It Makes A Difference How and Where You Use TV

Congratulations on your purchase! As you enjoy your new product, please keep these safety tips in mind:

THE ISSUE

The home theater entertainment experience is a growing trend and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations.
TVs that are inappropriately situated on dressers, bookcases, shelves, desks, speakers, chests or carts may fall over and cause injury.

THIS MANUFACTURER CARES !

The consumer electronics industry is committed to making home entertainment enjoyable and safe.

TUNE INTO SAFETY

One size does NOT fit all. Follow the manufacturer's recommendations for the safe installation and use of your TV.
Carefully read and understand all enclosed instructions for proper use of this product.
Don't allow children to climb on or play with furniture and television sets.
Don't place TVs on furniture that can easily be used as steps, such as a chest of drawers.
Remember that children can become excited while watching a program, especially on a "larger than life" TV. Care should be taken to place or install the display where it cannot be pushed, pulled over, or knocked down.
Care should be taken to route all cords and cables connected to the TV so that they cannot be pulled or grabbed by curious children.

CONDENSATION

Moisture will form in the operating section of the unit if the unit is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, unit's performance will be impaired. To prevent this, let the unit stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually. Condensation may also form during the summer if the unit is exposed to the breeze from an air conditioner. In such cases, change the location of the unit.

HOW TO HANDLE THE LED PANEL

- Do not press hard or jolt the LED panel. It may cause the LED panel glass to break and injury may occur.
- If the LED panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Possible Adverse Effects on LED Panel:

If a fixed (non-moving) pattern remains on the LED Panel for long periods of time, the image can become permanently engrained in the LED Panel and cause subtle but permanent ghost images. This type of damage is NOT COVERED BY YOUR WARRANTY. Never leave your TV on for long periods of time while it is displaying the following formats or images:

- Fixed Images, such as stock tickers, video game patterns, TV station logos, and websites.
- Special Formats that do not use the entire screen. For example, viewing letterbox style (16:9) media on a normal (4:3) display (black bars at top and bottom of screen); or viewing normal style (4:3) media on a widescreen (16:9) display (black bars on left and right sides of screen).

The following symptoms are not signs of malfunction but technical limitation.

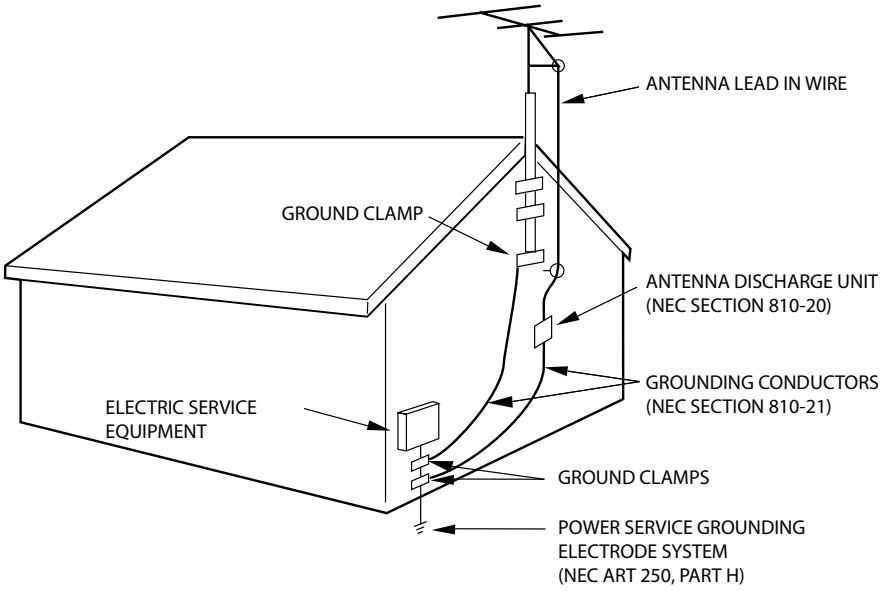
- LED Panels are manufactured using an extremely high level of precision technology, however sometimes parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.
- Do not install the TV near electronic equipment that produces electromagnetic waves. Some equipment placed too near this unit may cause interference.
- Effect on infrared devices – There may be interference while using infrared devices such as infrared cordless headphones.

Television Antenna Connection Protection

External Television Antenna Grounding

If an outside antenna/satellite dish or cable system is to be connected to the TV, make sure that the antenna or cable system is electrically grounded to provide some protection against voltage surges and static charges.

Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements of the grounding electrode.



Lightning Protection

For added protection of the TV during a lightning storm or when it is left unattended or unused for long periods of time, unplug the TV from the wall outlet and disconnect the antenna or cable system.

Power Lines

Do not locate the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits.

DTV Transition Advisory

As of June 12, 2009, all U.S. television stations have switched to digital broadcasting. As a result, owners of analog television sets must connect a digital-to-analog converter box to the television set or subscribe to cable or satellite TV to receive over-the-air TV. Analog-only TVs continue to work as before to receive low power, Class A or translator television stations and with cable and satellite TV services, gaming consoles, VCRs, DVD players, and similar products.

For more information about the DTV transition, visit www.dtv.gov.

FCC's Consumer Center
Email: dtvinfo@fcc.gov
Phone: 1-888-CALL-FCC (1-888-225-5322)
Fax: 1-866-418-0232; or writing to:
Mail: Federal Communications Commission
Consumer and Governmental Affairs Bureau
Consumer Inquiries and Complaints Division
445 12th Street, SW
Washington, DC 20554

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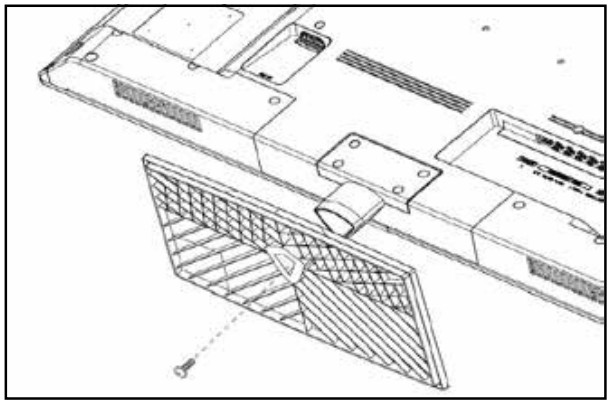
Attaching the Stand

The stand installation varies depending on model. Perform the installation according to the instructions of your TV model.

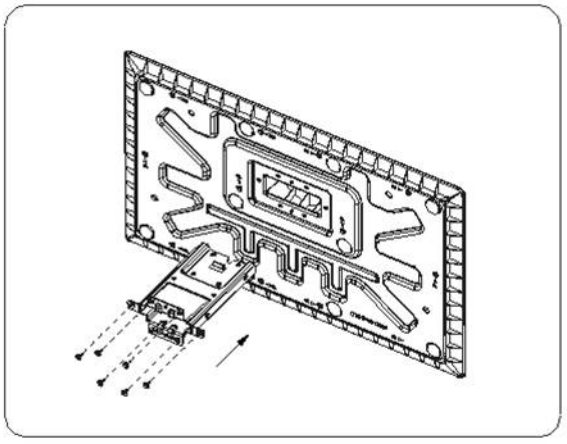
Unpacking the TV

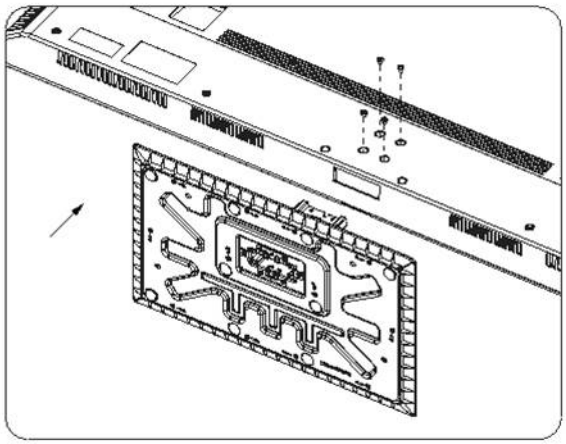
1. Remove TV accessories and protective foam.
2. Remove TV from the box and place it on a flat and clean surface with TV screen facing down.
3. Attach the stand to TV using the provided screw.

EM32FL
EM39FT



EM55FT





Removing the Stand

When the TV needs to be transported, remove the stand and pack the TV back in the carton. To remove the stand, perform the assemble steps in reverse order according to your TV model.

Package Contents

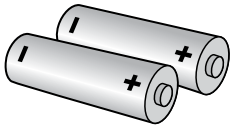
ENGLISH

Check if the following items are included in your package.

LED TV

Remote Control

Batteries



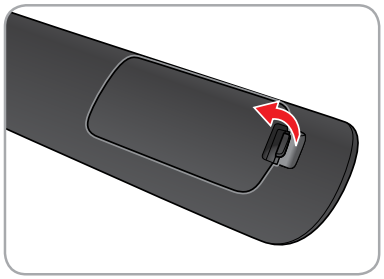
Quick Start Guide

Power Cord

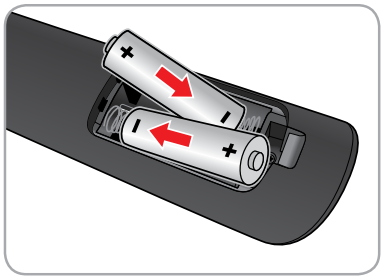
DOWNLOAD FULL VERSION USER MANUAL
http://jvc-tv.com/support

Remote Control Batteries

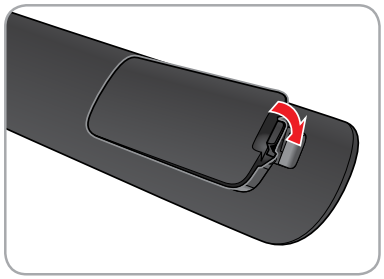
1 Push the tab, then lift to open the cover.



2 Insert the batteries, making sure the [+] and [-] polarities are correct.



3 Close the battery cover.



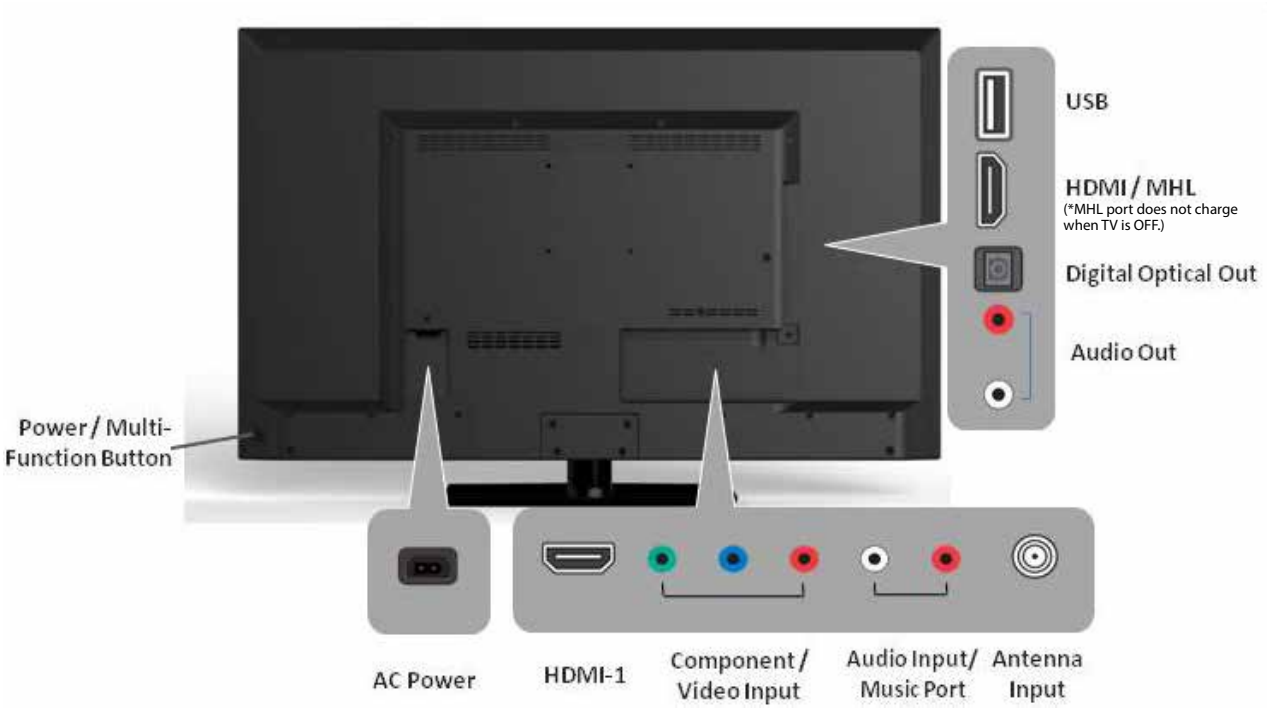
Battery Precautions:
Be sure to follow the correct polarity. Incorrect installation may cause battery leakage or damage the remote control.
Always replace batteries in pair. Do not combine a used battery with a new one.
Do not use different battery types together (e.g. "Alkaline" and "Carbon-zinc").
If the remote control is not to be used for a long period of time, remove the batteries to prevent battery leakage.

Parts and Functions

Front View

Rear View

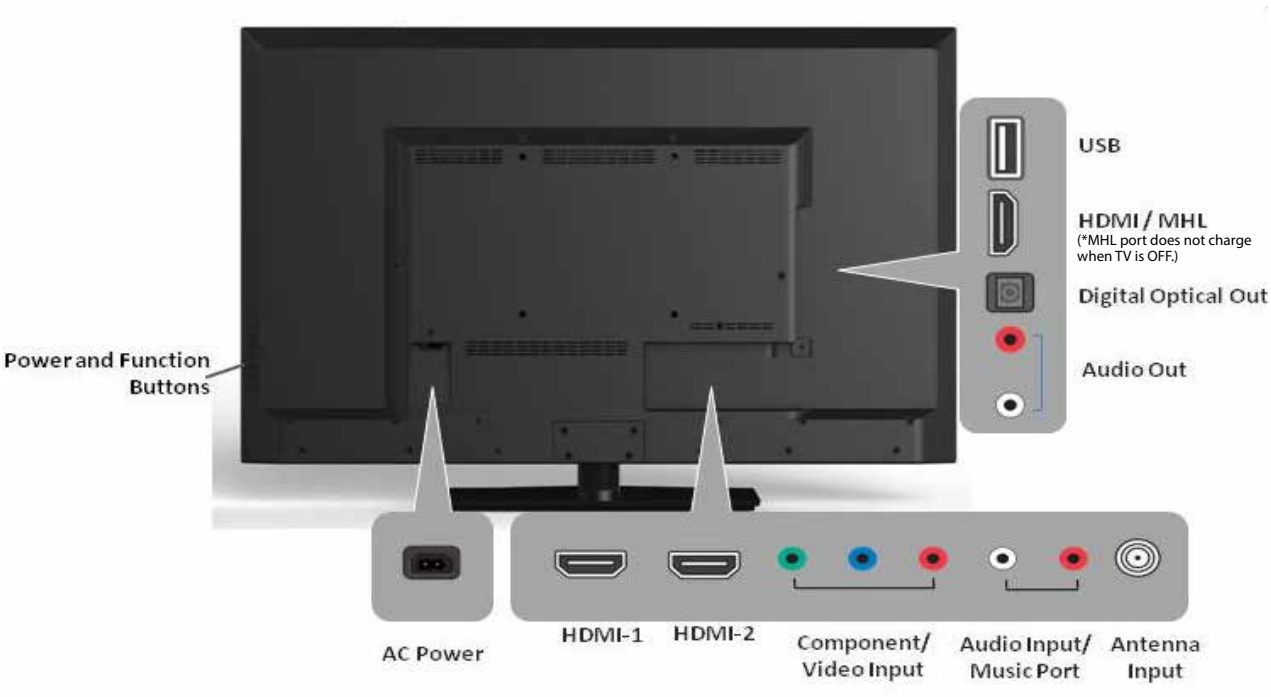
EM32FL
EM39FT



Power / Multi-Function Button Operation:

- Press the button to show Quick Control Menu and switch between options
- Press and hold the button to select highlighted option
- To power off TV, press and hold the button while Quick Control Menu is not on screen

EM55FT


USB
HDMI / MHL
(*MHL port does not charge when TV is OFF.)
Digital Optical Out
Audio Out
Power and Function Buttons
AC Power
HDMI-1
HDMI-2
Component/ Video Input
Audio Input/ Music Port
Antenna Input

Remote Control

1 **IR Transmitter**: Sends remote control signal to the TV.

2 **SLEEP button:** Select a sleep mode timer (Off, 30 minutes, 60 minutes, 90 minutes, 120 minutes, 180 minutes).

3 **Playback controls:** The buttons are used for Photo, Music, Video, and HDMI CEC function.

4 **INPUT button:** Change the input source.

5 **WIDE button:** Change the display mode (Normal, Wide, Zoom Panoramic).

6 **MUTE button:** Turn the TV audio off or on.

7 **VOL (Volume) buttons:** Press **VOL** ∧ to increase volume or **VOL** ∨ to decrease volume.

8 **Number pad (0~9, –):** Use the number keys to directly change channel.

9 **HDMI button:** Press to directly set HDMI as the input source signal.

10 **VIDEO button:** Press to directly set Composite VIDEO as the input source signal.

11 **COMP button:** Press to directly set Component as the input source signal.

12 **Remote Control LED:** Lights red when a button is pressed.

13 **POWER button:** Turn the TV on or off.

14 **MEDIA button:** Enter USB media mode.

15 **MENU button:** Display the MENU screen.

16 **INFO button:** Display program information (if available).

17 **Direction buttons** ∧ / ∨ / ‹ / ›**:** Navigate the menu, select options, or adjust settings value.

18 **OK button:** Enter a menu or confirm an option.

19 **RETURN button**: Return to a previous menu or screen.

20 **AUDIO button:** Enter Audio Only mode and turn the screen off. See page 24.

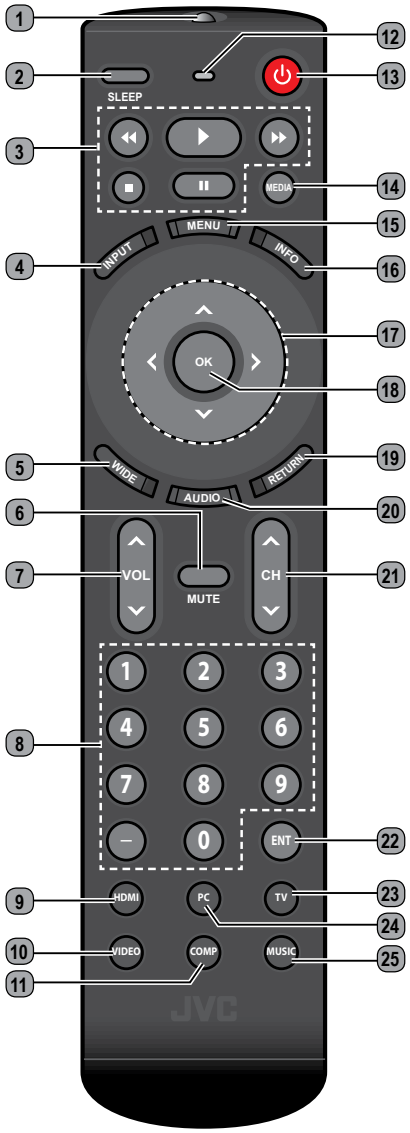
21 **CH (Channel) buttons:** Use **CH** ∧ to increase the channel number or **CH** ∨ to decrease the channel number.

22 **ENT (Enter) button:** Access the entered channel number or display the Channel list screen.

23 **TV button:** Directly set TV as the input source signal.

24 **PC button:** Directly set PC as the input source signal (This function is only available to models with VGA input)

25 **MUSIC button:** Directly set Music as the input source signal.

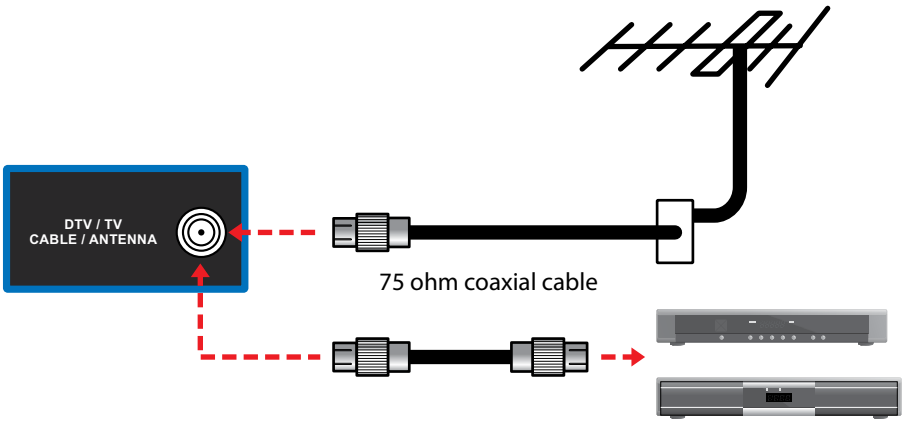


Notes:
To obtain best results, use the remote control with a proper distance from the TV and ensure that there are no obstacles between them.
Aim the remote control transmitter to the remote control sensor on the TV.
Do not expose the remote control to direct sunlight. This may affect the performance of the remote control.

Making Connections

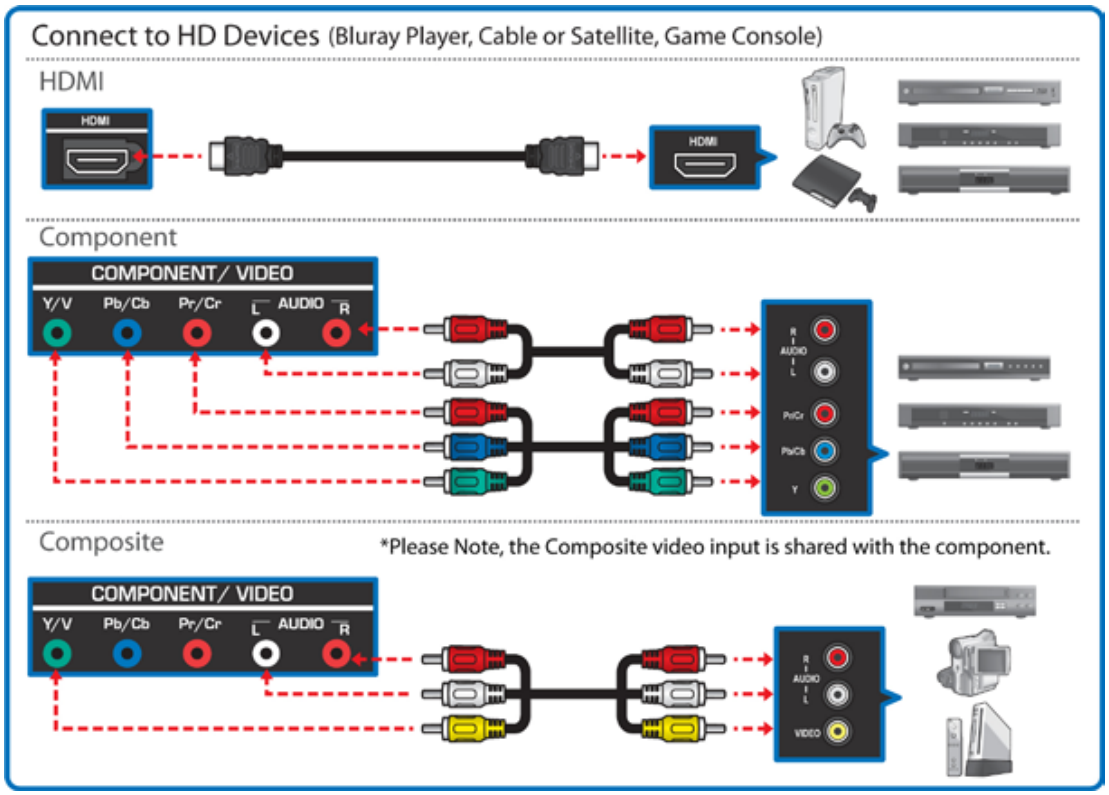
Connecting Antenna / Cable

Connect the 75 ohm coaxial cable directly to the DTV/TV Cable/Antenna jack of the TV.



Connecting HD Devices

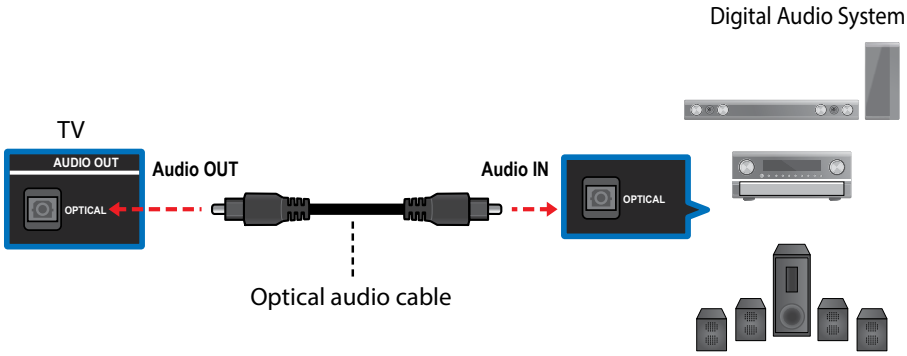
You can connect different devices to the TV using HDMI, Composite, or Component connections. Check the type of connection available on your device.



Connecting External Speakers / Soundbar / AV Receivers

Digital Connection

Connect the SPDIF/Optical audio cable to the Audio OUT optical port of the TV and the optical port of the soundbar, AV receiver, or audio system.

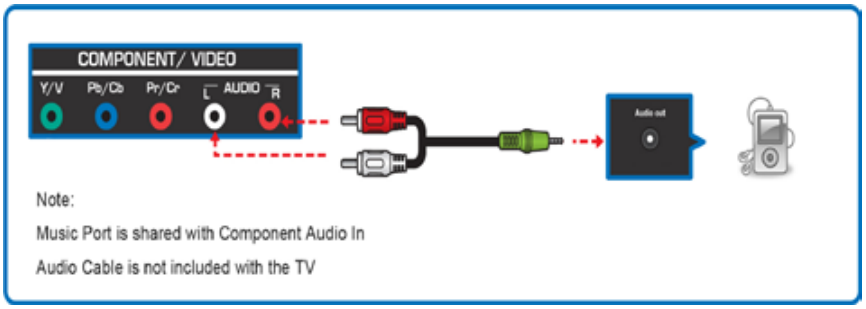


Note:

- The optical audio cable is not included with the TV.

Connecting Music Port

The TV supports music playback from portable music players, such as an MP3 player or iPod™.



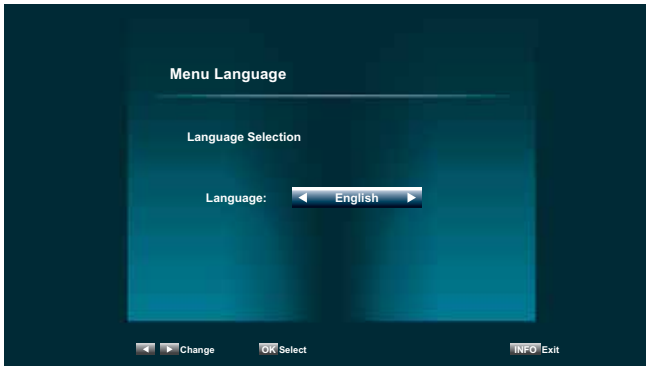
Setup Wizard

The Setup Wizard will assist you with setting up your TV for the first time. Please follow the instruction carefully.

Note: If you would like to setup over-the-air or cable programming, make sure the antenna or cable TV system is connected. See page 14 for setup.

1 When you turn on the TV for the first time, the Setup Wizard screen will appear.

2 Press ❮ or ❯ to select the menu language, then press **OK**.



3 Press ❮ or ❯ to select the TV Mode, then press **OK**.

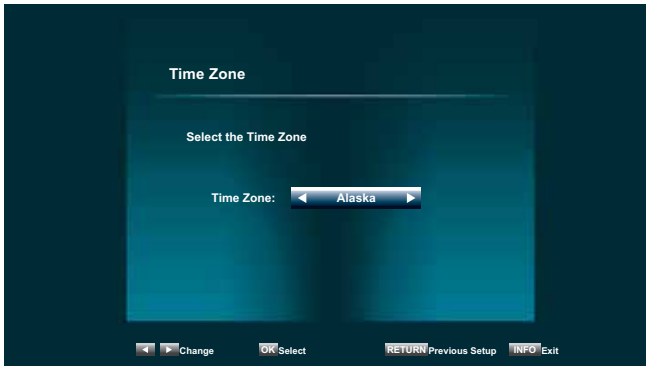
TV Mode options :

- **Home Use**: Select this mode for in home use.
- **Store Demo**: Select this mode for in store demo.

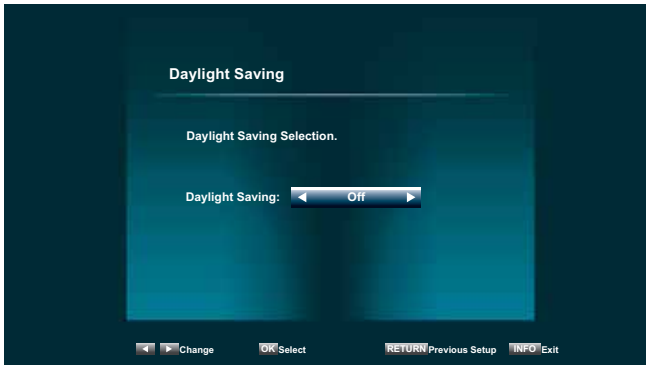
Note:

- Store Demo is for retailers only.
- To exit Store Demo, see page 18.

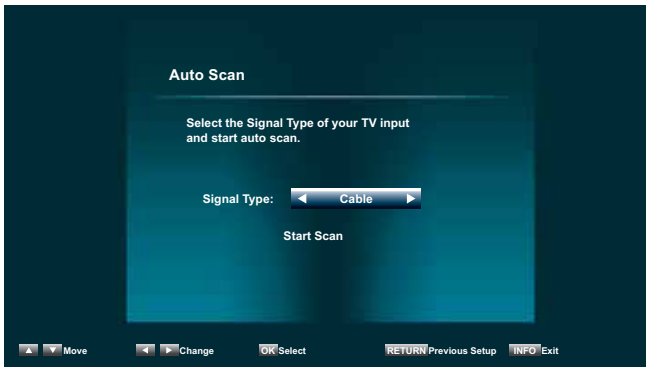
4 Press ❮ or ❯ to select the Time Zone, then press **OK.**



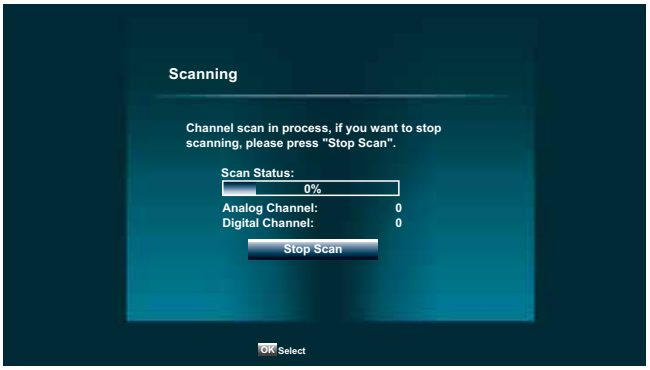
5 Press ❮ or ❯ to set Daylight Saving Time "**ON**" or "**OFF**", then press **OK.**



6 Press ❮ or ❯ to select the TV service, then press **OK**.

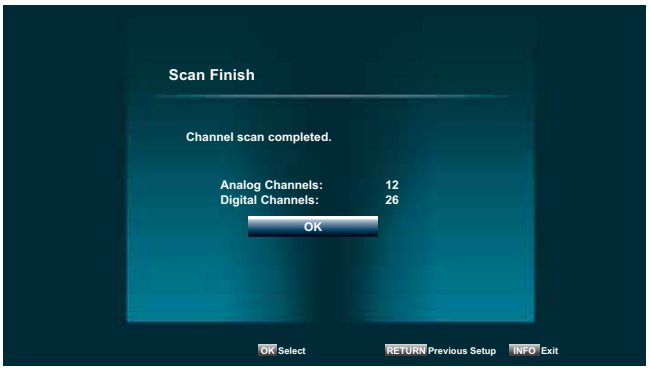


7 Press **OK** to start channel scan.

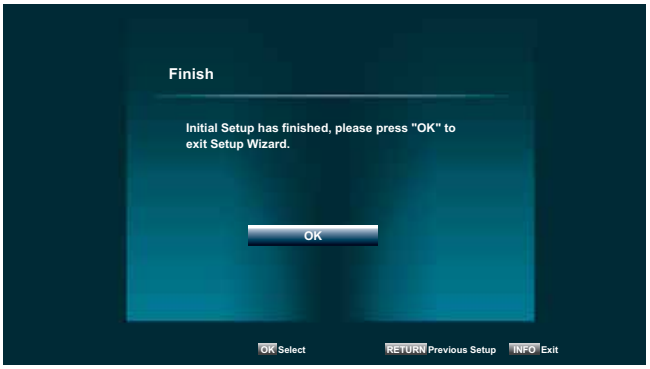


Note:
- Scanning may take some time to complete.
- Select Stop Scan to cancel the auto scan at anytime.

8 When auto scan is complete, press **OK** to continue.



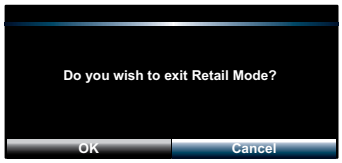
9 Press **OK** to complete setup.



Exit Store Demo

1 Press RETURN.

2 Press ❮ or ❯ to select "**OK**", then press **OK** to confirm.



Basic TV Operation

One button operation
(Note:EM32FL and EM39FT only)

The TV power button also serves as multi-function button for input select, TV channel and volume control

- Press the button to show Quick Control Menu and switch between options
- Press and hold the button to select highlighted option
- To power off TV, press and hold the button while Quick Control Menu is not on screen

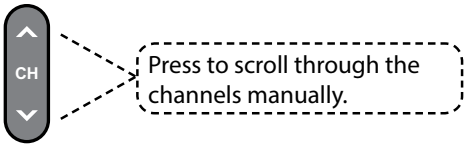
Changing Channel

Press the number buttons to directly select channels.

Note: After pressing the number buttons, there will be a few seconds delay before the TV changes channel. To change to the channel right away, press ENT after pressing the number buttons.

To Browse Channel

Press the Channel up/down buttons on the remote control.



To Select Analog Channels

1~9	Press 1~9 as needed. Example, to select channel 2, press **2**, then press **ENT**.
10~99	Press the 2 digits in order. Example, to select channel 15, press **1, 5,** then **ENT**.
100~135:	Press the 3 digits in order, Example, to select channel 130, press **1, 3, 0,** then press **ENT**.

To Select Digital Channels

Press the first 3 digits, then press −, followed by the remaining number. Example, to select channel 15-1, press **1**, **5**, −, **1,** then press **ENT**.

To Select by Channel List

All channels found from channel scan are listed on the Channel List screen. You can select channels from this screen.

1. Press **ENT** to display the Channel List screen.
2. Press ⌄ or ⌃ to select a channel number, then press **ENT**.
3. Press **RETURN** to close the Channel List screen.

Mute Volume

Press **MUTE** to turn the sound off. To turn the sound back on, press **MUTE** again or any of the **VOL** buttons.

Set Sleep Timer

Sleep timer sets the TV to automatically turn off after a preset amount of time. After setting a preset amount of time, the TV will automatically turn off after the timer has expired.

1. Press **SLEEP** to display the Sleep screen.
2. Press **SLEEP** repeatedly or press ⌄ or ⌃ to scroll through the options, then press **OK**.

To cancel sleep, set the timer to Off.

Display Info

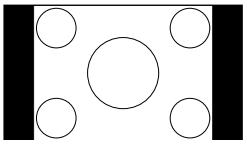
Press **INFO** to display the channel or input information on the screen.
Press **INFO** again to hide the Info screen.

Set Aspect Ratio

1. Press **WIDE** to display the Wide menu.
2. Press **WIDE** repeatedly or press ⌄ or ⌃ to scroll through the options, then press **OK.**

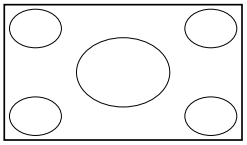
Normal

When watching a 4:3 content, the TV displays a standard picture with black side bars. When viewing a 16:9 content, it displays a full picture.



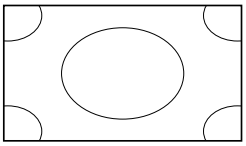
Wide

When displaying a 4:3 content, the picture is stretched horizontally to fill the width of the screen. When watching a 16:9 content, the image is slightly overscan.



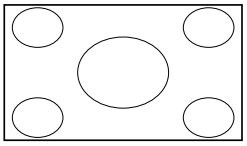
Zoom

The entire picture is uniformly enlarged to retain its original proportion. However, some parts of the picture may be hidden.



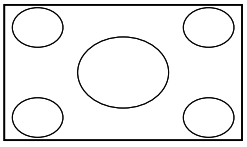
Panoramic

The picture is stretched horizontally on the left and right sides to fill the width of the screen. The center of the picture is not stretched.



Stretch

The picture is stretched horizontally on the left and right sides.



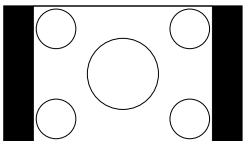
Note:

- Panoramic mode is only available on 4:3 contents.
- Stretch is only available on 16:9 contents.

Aspect Ratio options in PC mode.

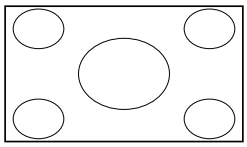
Normal

When watching a 4:3 content, the TV displays a standard picture with black side bars. When viewing a 16:9 content, it displays the full picture, pixel to pixel.



Stretch

When watching a 4:3 content, the picture is stretched hozontally to fill the width of the screen. When watching a 16:9 content, the picture is stretched Horizontally on the left and right sides.



Selecting Input Source

The TV provides various ways to select the input source:

On the Remote Control

- Press **INPUT** repeatedly to scroll through the input source options, then press **OK** to select the input.
- To directly select an input source, press the direct input button located at the bottom of the remote control.

Multimedia Mode

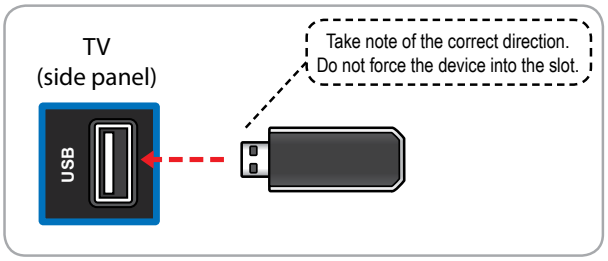
The TV Allows you to play image slide shows from a USB memory stick.

Note:

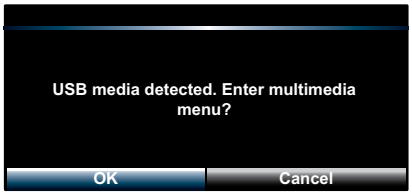
- Only supported multimedia files can be played back.

Playing Multimedia Files

1 Insert the USB memory stick into the USB slot of the TV.



2 A message box will appear on the screen. Press ❮ or ❯ to select **OK**.



3 Press **OK** to select your option.

4 Press ⌄ or ⌃ to select the USB source, then press **OK**.

5 If prompted, press ⌄ or ⌃ to select Photo player, then press **OK**.

ENGLISH

6 The displayed screen varies depending on the media type you selected.
Press ⌄, ⌃, ‹ or › to select a file or function, then press **OK**.

Multimedia: Photo

1 Start Slideshow button: Play slide show.
2 Sort button: Change sorting order. The label on this button varies depending on the current sorting order. (Name A-Z, Name Z-A, Newest First, Oldest First)
3 View button: Change view mode. The button label varies depending on the current view. (Folders, Thumbnails)
4 Setting button: Change slide show settings.

Audio Only Mode

While watching TV or playing music, you can set the TV to Audio Only mode to turn off the TV display and save power.

1 Press **AUDIO** to activate Audio Only mode. A message appears on the screen, then after a few seconds, the TV display turns off.

2 Press any button to turn on the display again and exit Audio Only mode.

Wall Mount

Installing Wall Mount

The wall mount kit allows you to mount the TV on the wall. For detailed information on installing the wall mount, see the instructions provided with the wall mount kit.

Note: The wall mount kit is not included with the product.

For product protection and safety reasons, JVC strongly recommends contacting a technician or professional for assistance installing the wall mount and setting up the TV. If you decide to install the wall mount and TV without the assistance of a technician or professional, JVC will not be responsible for any damage to the product or injury to yourself or others.

Do not install your wall mount while your TV is turned on. It can result in personal injury due to electric shock

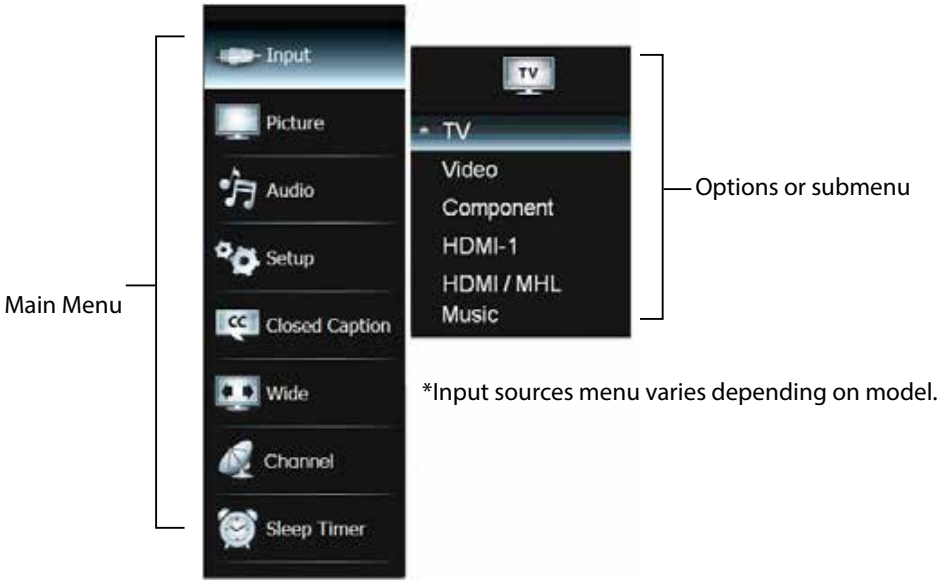
1. Disconnect all cables connected to the TV.
2. Carefully place the TV on a flat and clean surface with screen facing down. It is recommended to place the TV cover or protection sheet between the TV and flat surface.
3. Remove the screw attaching the stand and TV.
4. Remove and store the stand for future use.

Wall Mount Specifications (VESA)

Product Model #	VESA hole pattern (mm)	Standard Screw
EM32FL (32")	100 x 100	M4
EM39FT (39")	100 x 100	M4
EM55FT (55")	400 x 400	M8

Adjusting the Menu Settings

Menu Operation



*Input sources menu varies depending on model.

		Remote Control
1	Display the menu.	Press **MENU**.
2	Select a menu option.	1. Press ⌄ or ⌃ to select a menu or option. 2. Press **OK** or › to enter a menu or confirm an option.
3	Adjust or select the setting.	1. Press ⌄ or ⌃ to select an option. Or, press ‹ or › to adjust a setting, such as Brightness. 2. Press **OK** to apply the settings.
4	Exit the menu.	To exit the menu, press **RETURN**. Or, to return to a previous screen one at a time, press **MENU** or ‹.

Input Menu

Select the input source signal.

- **TV**: To watch analog or digital TV channels.
- **Video:** To use VCRs, camcorders, or game consoles connected via composite connection.
- **Component:** To use VCRs, camcorders, or game consoles connected via component connection.
- **HDMI-1 :** To connect HD devices via HDMI Connection.
- **HDMI/MHL:** To connect MHL devices via HDMI/MHL Connection.
- **Music:** To play music from a music player connected via music port.

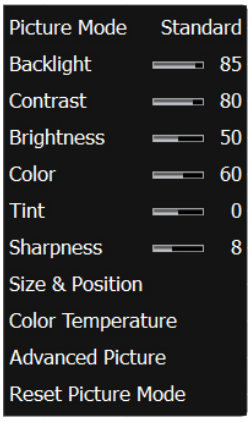
Picture Menu

Adjust picture options such as Brightness, contrast, and advanced picture settings.

Picture Mode

Select the picture mode.

Custom	For custom picture settings.
Standard	For standard picture settings.
Movie	For moving pictures such as movies.
Game	For fast and dynamic pictures suitable with playing games.
Vivid	For bright and vivid picture settings.
Sport	Suggested settings for sporting events.



Backlight

Adjust the backlight that affects the overall brilliance of the picture. (0 ~100)

Contrast

Adjust the white level in the picture. Low contrast makes pictures look dark, high contrast makes pictures washed out. (0 ~100)

Brightness

Adjust the brightness setting. (0 ~100)

Color

Adjust the amount of color level in the picture. (0 ~100)

Tint

Adjust the picture hue. (-50 ~ 50)

Sharpness

Adjust the sharpness of the edges of elements in the picture.

Size & Position

Horiz. Position / Vertical Position	Adjust the horizontal / vertical position of the picture.
Horizontal Size / Vertical Size	Adjust the horizontal / vertical size of the picture.

Color Temperature

Color Temperature	Apply a preset color temperature setting. (Custom / Cool / Natural / Warm)
Red / Green / Blue Gain	Adjust the red / green / blue gain settings according to your preference.
Red / Green / Blue Offset	Adjust the red / green / blue offset settings according to your preference.
Reset Color Temperature	Reset the color temperature to default settings.

Advanced Picture(*May be unavailable on certain models.)

CrystalColor	CrystalColor produces more vivid and crisp color pictures. (Off / Normal / Rich)
Dynamic Contrast	Dynamic contrast automatically enhances the image for greater picture details.
Adaptive Backlight	Enable or disable adaptive backlight. (Off / On)
Noise Reduction	Reduce the noise level. (Off / Low / Medium / High)
Digital NR	Reduce noise level of digital signals. (Off / Low / Medium / High)
Film Mode	Produce smoother motion picture when viewing movies .

Reset Picture Mode

Reset the picture mode settings to default.

Audio Menu

Bass

Adjust the bass level to your preference. (-12 ~ 12)

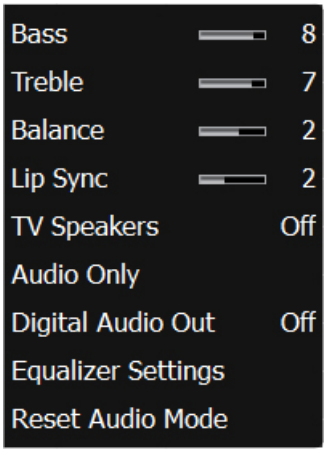
Treble

Adjust the treble level to your preference. (-12 ~ 12)

Balance

Adjust the audio level of the L/R channels of the speakers to your preference. (-10 ~ 10)

Lip Sync
Adjust to match the movements and the lips of the person talking on the screen. (0 ~ 5)



TV Speakers
Turn the internal speakers on or off.

Audio Only
Output audio from the TV speakers but turn off the TV display. See page 24.

Digital Audio Out
Select the type of digital audio output. (Off / Dolby Digital / PCM)

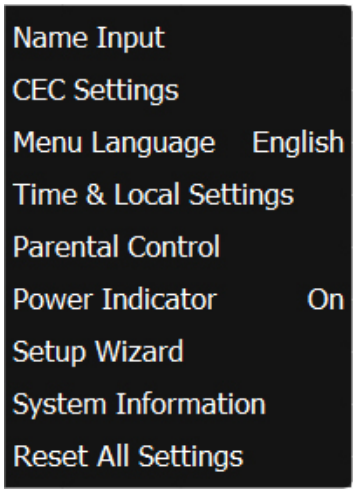
Equalizer Settings
Adjust the equalizer settings. (120Hz / 500Hz / 1.5KHz / 5KHz / 10KHz)

Reset Audio Mode
Reset the audio mode settings to default settings.

Setup Menu

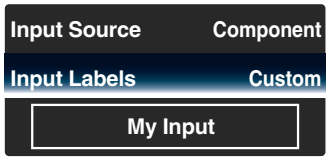
Name Input
The Name Input feature of the TV allows you to add a label name on an input source.

To label an input source , perform the following steps:



1. Press **MENU**.
2. Press ⌄ or ⌃ to select "Setup", then press › or **OK**.
3. Press ⌄ or ⌃ to select "Name Input", then press › or **OK**.
4. Press ⌄ or ⌃ to select "Input Source", then press › or **OK**.
5. Press ⌄ or ⌃ to select the input source that you want to add a label name to, then press **OK**.
6. To select a custom label:
   1. Press ⌄ or ⌃ to select "Input Labels", then press › or **OK**.
   2. Press ⌄ or ⌃ to select "Custom" and press **OK**.

   To enter desired label:
   1. Press ⌄ or ⌃ to select the text box, then press **OK**.
   2. Press ⌄, ⌃, ‹ or › to select a character, then press **OK**.
   3. Press ⌄, ⌃, ‹ or › to select "**OK**", then press **OK**.



Press **RETURN** to close the menu screen.

CEC Settings

CEC allows you to control devices using your TV remote control when the CEC devices are connected via HDMI.

CEC Function	Enable or disable CEC function.
Device Search	If CEC Function is enabled, select to search for CEC devices.
System Audio Control	Connect to your device though Audio Return Channel-enabled HDMI Port (HDMI 1)

Menu Language

Select the on-screen menu language.

Time & Local Settings

Time Zone	Select a location to apply the time zone.
Daylight Saving	Enable or disable daylight saving time.

Parental Control

The Parental Control feature allows you to control and restrict TV programs by Channel Lock , TV Rating, or Movie Rating.

Access Parental Control Menu

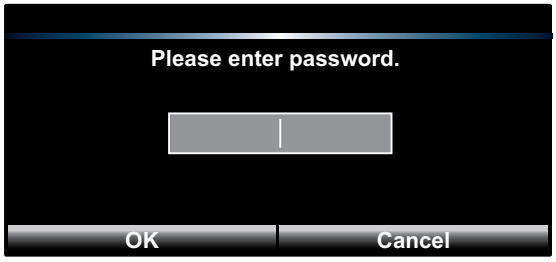
The Parental Control menu requires you to enter the password to access its submenu.

1 Press **MENU**.

2 Press ⌄ or ⌃ to select "Setup", then press › or **OK**.

3 Press ⌄ or ⌃ to select "Parental Control", then press › or **OK**.

4 Enter the 4-digit password. Press ⌄, ‹ or › to select "**OK**", then press **OK** to access the submenu options.



Note: The default password is "0000".

5 Press ⌄ or ⌃ to select the submenu options, then press › or **OK** to enter the submenu.

Restrict By Channel

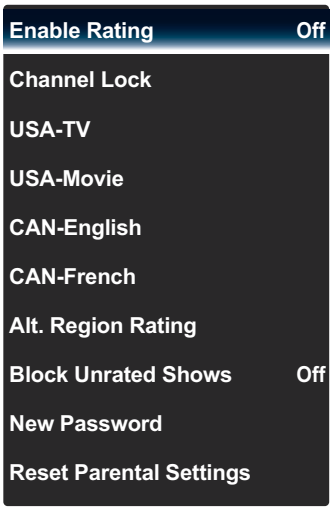
Use the Channel Lock feature to restrict viewing a specified channel. Once locked channel is selected, the TV displays a blank screen.

1 In the "Parental Control" menu, press ⌄ or ⌃ to select "Channel Lock", then press › or **OK**.

2 Press ⌄ or ⌃ to highlight a channel that you want to lock.

3 Press **OK** to mark and lock the channel.

4 Press ❮ to return to the previous screen or press **RETURN** to close the menu screen.



Restrict By TV/Movie Rating

You can select which TV/Movie rating to lock for viewing.

1 In the "Parental Control" menu, press ❯ or ❮ to select a rating submenu, then press ❯ or **OK**.

- "Enable Rating": Select "On" to enable rating.
- "USA-TV": Set the rating by age level and genre.
- "USA-Movie": Set by USA movie rating standards.
- "CAN-English": Set by Canadian English movie rating standards.
- "CAN-French": Set by Canadian French movie rating standards.
- "Block Unrated Shows": Select "On" to block unrated shows.

2 Press ❯ or ❮, then press **OK** to select the rating.

3 Press ❮ to return to the previous screen or press **RETURN** to close the menu screen.

Change Password

1 In the "Parental Control" menu, press ❯ or ❮ to select "Change Password", then press ❯ or **OK**.

2 Enter a new password, then press **OK**.

3 Re-enter the new password, then press **OK** to complete.

Power Indicator

To turn on/off the LED power indicator while TV is on.

Setup Wizard

Run the guided setup.

System Information

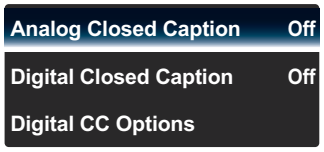
Display the system information of the TV.

Reset All Settings

Reset all TV settings to default settings.

Closed Caption

Closed Caption decodes and displays closed caption data of television programs as subtitle. This feature displays text on the screen or it translates and displays text in another language.



1. Press **MENU**.
2. Press ⌄ or ⌃ to select "Closed Caption", then press › or **OK**.
3. Press ⌄ or ⌃ to select "Analog Closed Caption" or "Digital Closed Caption, then press › or **OK**.

Note: Either "Analog Closed Caption" or "Digital Closed Caption" is available depending on your TV service.

4. Press ⌄ or ⌃ to select a closed caption type or select "Off" to disable this feature, then press **OK**.

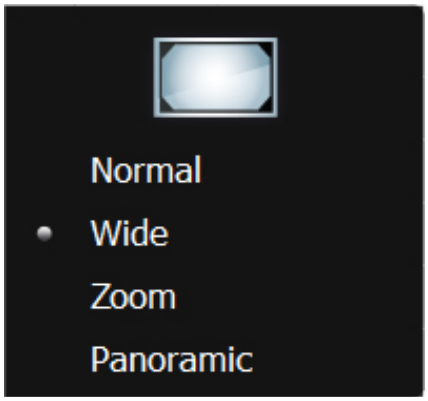
   For digital closed caption, you can select closed caption options, such as text size and text color. Press ⌄ or ⌃ to select "Digital CC Options", then press **OK**. Select desired options.
5. Press **RETURN** to close the menu screen.

Wide

Select WIDE to change TV viewing aspect ratio.

1. Press **MENU**.
2. Press ⌄ or ⌃ to select "Wide", then press › or **OK**.
3. Press ⌄ or ⌃ to select "Normal" or "Wide", "Zoom", " Panoramic"

Note: refer to Basic Operation section for details.



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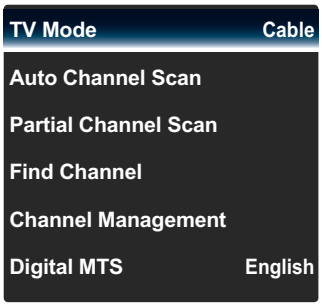
Channel Menu

Select Antenna / Cable

Select Antenna or Cable for the service connected to your TV.



1 Press **MENU**.

2 Press ⌄ or ⌃ to select "Channel", then press › or **OK**.

3 Press ⌄ or ⌃ to select "TV Mode", then press › or **OK**.

4 Press ⌄ or ⌃ to select "Antenna" or "Cable", then press **OK**.

Scan Channels

Auto Scan Channels

When you run auto scan, the TV scans for all available channels. Make sure the antenna/cable is connected properly. See page 14.

1 Press **MENU**.

2 Press ⌄ or ⌃ to select "Auto Channel Scan", then press › or **OK**.

3 Press ⌄ or ⌃ to select "Start Scan", then press **OK**.

Scanning progress is displayed on the menu screen. To stop scanning, select "Stop Scan" and press **OK**.

Note: Auto scan may take 15 to 30 minutes to find available channels.

Partial Scan Channels

You can partially scan for network signal within a specified range of channels.

1. Press **MENU**.
2. Press ⌄ or ⌃ to select "Partial Channel Scan", then press › or **OK**.
3. Press ⌄ or ⌃ to select "Scan Mode", then press › or **OK**.
4. Press ⌄ or ⌃ to select an option, then press **OK**.
   - "Analog/Digital": scan for both analog and digital channels
   - "Analog": scan for analog channels
   - "Digital": scan for digital channels
5. Press ⌄ or ⌃ to select "From Channel", then enter a starting channel range.
6. Press ⌄ or ⌃ to select "To Channel", then enter an ending channel range.
7. Press ⌄ or ⌃ to select "Start Scan", then press **OK**.

   Scanning progress is displayed on the menu screen. To stop scan, select "Stop Scan" and press **OK**.

Add Channel

New channels may be added to your area periodically. Use the Add Channel function to add new channels.

1. Press **MENU**.
2. Press ⌄ or ⌃ to select "Channel", then press › or **OK**.
3. Press ⌄ or ⌃ to select "Find Channel", then press › or **OK**.
4. Press ⌄ or ⌃ to select "Enter Channel", then enter a channel.
5. Press ⌄ to select "Add Channel", then press **OK**.

Added channels are listed on the Channel List screen.

Delete Channel

To remove a channel from the Channel List screen.

1. Press **MENU**.
2. Press ⌄ or ⌃ to select "Channel", then press › or **OK**.
3. Press ⌄ or ⌃ to select "Channel Management", then press › or **OK**.
4. Press ⌄ or ⌃ , then press OK to mark the channels that you want to remove from the Channel List.
5. Press **RETURN** to close the menu screen.

Sleep Timer

Sleep timer sets the TV to automatically turn off after a preset amount of time.

Appendix

Supported Resolution

Model Name	EM32FL/EM39FT/EM55FT
Supported PC Timing (HDMI)	720 x 400 @ 70Hz
	640 x 480 @ 60, 75Hz
	800 x 600 @ 60, 75Hz
	1024 x 768 @ 60, 75Hz
	1920 x 1080 @ 60Hz
Supported Video Timing (NTSC, Composite)	480i
Supported Video Timing (ATSC, Composite, HDMI)	480i, 480p, 720p, 1080i, 1080p

Troubleshooting

If your TV fails to work properly, check the following guidelines for possible causes and solutions. Consult your local dealer or service outlet if problems persist.

Problem	Solution
No power.	• Make sure the power cord is plugged in. • The power is off, press the Power button to turn on the TV. • Try another outlet. • Unplug the unit for an hour, then plug it back in.
Poor sound or no sound.	• Press the VOL ^ button on the remote control or the Power/Multi Function button on the TV to adjust volume . • Press MUTE on the remote control to ensure that mute is not on. • The channel or cable TV is experiencing problems, tune to another channel. • Check the TV audio settings. • Check for possible sources of interference.
Poor picture or no picture.	• The channel or cable TV is experiencing problems, tune to another channel. • Make sure that channels are set into memory. • Check the antenna or cable TV connections. • Check for possible sources of interference.
Poor reception on some channels.	• The channel or cable TV is experiencing problems, tune to another channel. • Make sure that channels are set into memory. • The network signal is weak, adjust the antenna to receive better reception. • Check for possible sources of interference.
The remote control does not work.	• Batteries may be weak, dead, or inserted incorrectly. • Point the remote control directly at the remote sensor on the TV with an angle of 35º. • Remove any obstacles between the remote control and the TV. • Remote control is out of range, move closer to the TV.
TV shuts off.	• Sleep timer is set. • Power is interrupted.
No CATV reception.	• Check all cable TV connections. • Set the TV Mode in Channel menu.
Closed caption is not activated.	• The program tuned is not closed captioned. Try another channel. • Enable Closed Caption in the menu.

Specifications

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Specifications are subject to change without prior notice.

	EM32FL	EM39FT	EM55FT
Display Specification:			
Size Class (Diagonal):	32” (actual viewable size: 31.5”)	39” (actual viewable size: 38.5”)	55” (actual viewablesize: 54.6”)
Resolution / Aspect:	1920 x 1080 / 16:9	1920 x 1080 / 16:9	1920 x 1080 / 16:9
Backlit:	DLED	DLED	DLED
Refresh Rate / Frame Rate:	60Hz	60Hz	CM120Hz
Contrast Ration:	1200:1	5000:1	1200:1
TV Features			
Color Enhancement:	Yes	Yes	Yes
Tuner:	Yes	Yes	Yes
PIP / POP:	No	No	No
Close Caption:	Yes	Yes	Yes
Parental Control:	Yes	Yes	Yes
(EPG):	No	No	No
Picture Modes:	Yes	Yes	Yes
Audio			
Audio Technology:	MTS Stereo Decoder,	MTS Stereo Decoder,	MTS Stereo Decoder,
	Dolby Digital Decoder	Dolby Digital Decoder	Dolby Digital Decoder
	(5.1 Ch Pass Through)	(5.1 Ch Pass Through)	(5.1 Ch Pass Through)
Graphic Equalizer:	Yes	Yes	Yes
Speaker Output Power:	10 Watts x 2	10 Watts x 2	15 Watts x 2
Convenience Features			
Ambient Sensor:	No	No	No
Interactive Setup Guide:	Yes	Yes	Yes
Input Port Naming:	Yes	Yes	Yes
Audio Only Mode:	Yes	Yes	Yes
HDMI-ARC:	Yes	Yes	Yes
HDMI-CEC:	Yes	Yes	Yes
USB Multimedia:	Yes	Yes	Yes
Remote:	Yes	Yes	Yes
Energy Saving Features			
Auto Power OFF (DPMS):	Yes	Yes	Yes
Energy Star:	Yes, Energy Star 6.0	Yes, Energy Star 6.0	Yes, Energy Star 6.0
Input / Output			
Input:			
Antenna In:	1	1	1
HDMI:	2 (one port for MHL)	2 (one port for MHL)	3 (one port for MHL)
Component:	1	1	1
Composite (RCA):	share with component	share with component	share with component
VGA / RGB:	0	0	0
Music Port:	1	1	1
USB:	1	1	1
Output:			
Optical Digital Audio Out:	1	1	1
Stereo Audio Out:	1	1	1
Mechanical			
Wall Mount Pattern:	100mm x 100mm	100mm x 100mm	400mm x 400mm
Without Stand (WxHxD) and Weight (Approx.):	28.4” x 16.9” x 2.4“ / 10.1 lbs	34.6” x 20.3” x 2.5“ / 12.3 lbs	48.8” x 28.5” x 2.7“ / 38.6 lbs
With Stand (WxHxE) and Weight (Approx.):	28.4” x 18.7” x 5.9” / 10.8 lbs	34.6” x 22.3” x 7.7” / 13.1 lbs	48.8” x 30.2” x 11“ / 43.9 lbs

Limited Warranty

ON PARTS AND LABOR

This Limited Warranty covers units that are purchased as new and in the United States Only. This Product is manufactured, distributed, and warranted by AmTRAN Video Corporation (hereinafter known as "Warrantor") under brand license by JVC KENWOOD Corporation. The Warrantor provides a warranty to the original purchaser of a new Product against defects in materials and workmanship for a period of one (1) year of non-commercial usage and ninety (90) days of commercial use. If a Product covered by this warranty is determined to be defective within the warranty period, the Warrantor will either repair or replace the Product at its sole option and discretion.

To obtain warranty service, contact our Technical Support:

Visit the Web Site: http://jvc-tv.com/support

Or call our Customer Support and Service Center

1-855-868-1928

PRE-AUTHORIZATION MUST BE OBTAINED BEFORE SENDING ANY PRODUCT TO A DESIGNATED SERVICE CENTER.

Proof of purchase in the form of a purchase receipt or copy thereof is required to show that a Product is within the warranty period.

Parts and Labor

There will be no charge for parts or labor during the warranty period. Replacement parts and Products may be new or recertified at the Warrantor's option and sole discretion. Replacement parts and Products are warranted for the remaining portion of the original warranty or for ninety (90) days from warranty service or replacement, whichever is longer.

Type of Service

Defective Products must be sent to the designated service center to obtain warranty service. The Warrantor is not responsible for the transportation costs to the service center, but will cover the costs for return shipping to the customer.

PRE-AUTHORIZATION IS REQUIRED BEFORE SENDING ANY PRODUCT TO A DESIGNATED SERVICE CENTER FOR WARRANTY SERVICE.

Product returned to designated service centers must utilize either the original carton box and shipping material or packaging that affords an equal degree of protection. Technical Support will provide instructions for packing and shipping the covered Product to the designated service center.

Limitations and Exclusions

The Warrantor's one-year limited warranty only covers defects in materials and workmanship. This warranty does not cover product issues caused by any other reason, including but not limited to cosmetic damage, normal wear and tear, improper operation, improper voltage supply or power surges, signal issues, damages from shipping, acts of God, any type of customer misuse, modifications or adjustments, as well as installation and set-up issues or any repairs attempted by anyone other than by an authorized service center. Products with unreadable or removed serial numbers, or requiring routine maintenance are not covered. This one year limited warranty does not cover Products that are sold "AS IS", "Open Box", "FACTORY RECERTIFIED", or by a non-authorized reseller.

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Serial Number	
Dealer Name	
Purchase Price	
Date of Purchase	
Comments	

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